

FITTING INSTRUCTION

Clamp mark in acc. with		Cables joining
ISO	PN	
1	L	Left directional lights
2	+	Rear fog lights
3	31	Ground
4	R	Right directional lights
5	58R	Right side parking lights
6	54	Stoplights
7	58L	Left side parking lights

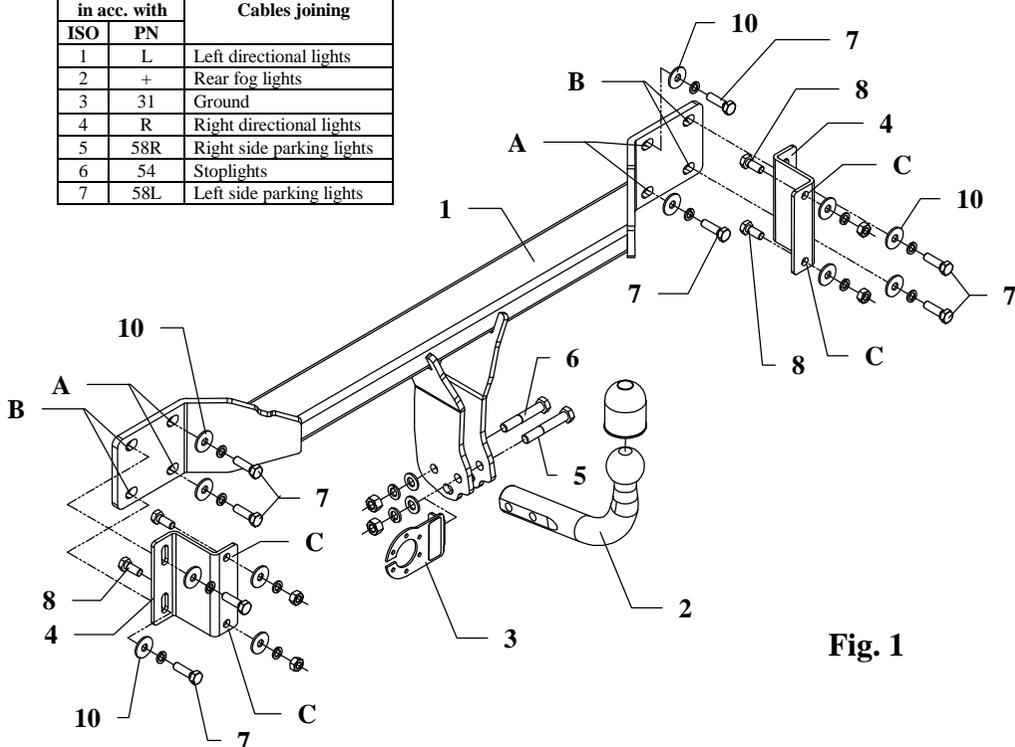


Fig. 1

This towing hitch is designed to assembly in following car: **BMW series 5, E60 (sedan)**, produced since 11.2003 and **E61 (estate)** produced since 06.2004, catalogue no. **B12** and is prepared to tow trailers max total weight **2000 kg** and max vertical mass **90 kg**.

From manufacturer

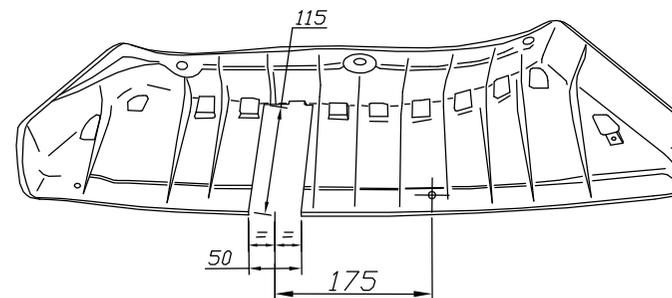
Thank you for buying our product. Their reliability has been confirmed in many tests. Reliability of towing hitch depends also on correct assembly and right operation. For this reasons we kindly ask to read carefully this instruction and apply to hints.

The towing hitch should be install in points described by a car producer.

The instruction of the assembly

1. Disassemble bumper and it's fulfillment. From fulfillment disassemble two fastening handles.
2. Apply main bar of the towbar (pos. 1) to rear panel of the car and fix loosely through holes A using bolts M10x35mm (pos. 7).
3. Through holes B fix handles (pos. 4) by bolts M10x35mm (pos. 7).
4. Fix fulfillment of the bumper through holes C using bolts M10x25mm (pos. 8) from accessories.
5. Fix tow-ball (pos. 2) with socket plate (pos. 3) using bolts M12x75mm (pos. 5) and M12x70mm (pos. 6) from accessories.
6. Tighten all bolts according to the torque shown in the table.
7. Cut out fragment of cover according o figure 2.
8. Connect electric wires of 7-poles socket according to the instruction of the car. (Recommend to make at authorized service station).
9. Complete paint layer damaged during installation.

Fig. 2



Torque settings for nuts and bolts (8,8):	
M 8 - 25 Nm	M 10 - 55 Nm
M 12 - 85 Nm	M 14 - 135 Nm

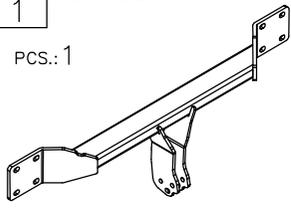
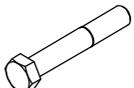
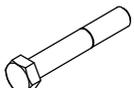
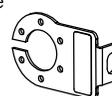
NOTE

After install the towing hitch you should get adequate note in registration book (at authorised service station). The car should be equipped with:

- Indicators
- Tow mirrors

After 1000km of exploitation check all bolts and nuts. The ball of towing hitch must be always kept clear and conserve with a grease.

Towing hitch accessories:

Pos. 1 Main bar PCS.: 1		Pos. 5 Bolt 8,8 B M12x75mm PCS.: 1		Pos. 10 Plain washer ø30xø10,5x2,5mm PCS.: 12	
		Pos. 6 Bolt 8,8 B M12x70mm PCS.: 1		Pos. 11 Spring washer ø12,2mm PCS.: 2	
Pos. 2 Tow ball PCS.: 1		Pos. 7 Bolt 8,8 B M10x35mm PCS.: 8		Pos. 12 Spring washer ø10,2mm PCS.: 12	
Pos. 3 Socket plate PCS.: 1		Pos. 8 Bolt 8,8 B M10x25mm PCS.: 4		Pos. 13 Nut 8 B M12 PCS.: 2	
Pos. 4 Handle PCS.: 2		Pos. 9 Plain washer ø13mm PCS.: 2		Pos. 14 Nut 8 B M10 PCS.: 4	
				Pos. 15 Ball cover PCS.: 1	



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Towing hitch (without electrical set)

Class: **A50-X** Cat. no. **B12**

Designed for:

Manufacturer: **BMW**

Model: **series 5**

Type: **E60 (sedan)**

produced since 11.2003 and

Type: **E61 (estate)**

produced since 06.2004

Technical data:

D-value: 11,4 kN

maximum trailer weight: **2000 kg**

maximum vertical cup mass: **90 kg**

Approval number according to Directive 94/20/EC: e20*94/20*0596*00

Foreword

This towing hitch is designed according to rules of safety traffic regulations. The towing hitch is a safety component and can be install only by qualified personnel. Any alteration or conversion of the towing hitch is prohibited and would lead to cancellation of design certification. Remove insulating compound and underseal from vehicle (if present) in the area of the matting surfaces of the towing hitch. The vehicle manufacturer's specifications regarding trailer mass and max. vertical cup mass are decisive for driving whereat values for the towing hitch cannot be exceeded.

D-value formula:

$$\frac{\text{Max trailer weight [kg]} \times \text{Max vehicle weight [kg]}}{\text{Max trailer weight [kg]} + \text{Max vehicle weight [kg]}} \times \frac{9,81}{1000} = D \text{ [kN]}$$